

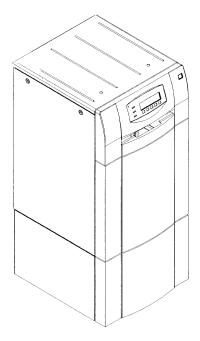
INSTALLATION INSTRUCTIONS

for the

KODAK Miniloader 2000 Van-Kit, Model 2

CAT. Number 7199920

- FOR THE USE OF QUALIFIED SERVICE PERSONNEL ONLY-





The ML2000 weighs 290 kg (551lbs) without the possible accompanying processor.

The equipment must be adequately secured to the vehicle.

The customer and / or coachbuilder to be notified of the fixing requirements;

To secure this weight in the vehicle ensure the floor is capable of supporting the equipment.

Adequate fixings are used, e.g. screws, washers & nuts which are rust proof etc.

Ensure that no component of the vehicle is damaged by the install e.g. brake pipes, electrical cables.

Positioning the Miniloader over the "Mounting Anvil" of the articulated trailer is a potential hazard from a fixing criteria this will require special install arrangements "if " at all possible. The coachbuilder's are the only people who can perform this task.

PLEASE NOTE

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INTRODUCTION

The VAN-KIT is used to install a KODAK Miniloader 2000 in a VAN. As a standard VAN does not exist, the adaptation of the BASE PLATE and REAR WALL PLATE to the VAN has to be made during installation. The necessary mounting hardware (screws, anchors etc.) must be provided locally. They are not part of the VAN-KIT.

The Kit consists of a SHOCK ABSORBER SANDWICH and the REAR WALL SHOCK ABSORBER ASSEMBLY.

To get access for service a QUICK DISCONNECT has to be released and 2 SHOCK ABSORBERS at the rear must be removed. The ML2000 can then be moved forward.

SPACE REQUIREMENTS

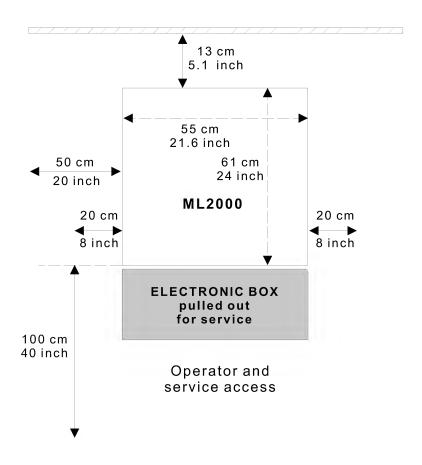


figure 1-1

The lateral space of 20cm (8 inch) is needed, because the ML2000 swings during a bus ride (especially on a bumpy road). The lateral space of 50 cm(20 inch) is required for the service personal to take out the rear SHOCK ABSORBERS in case service is necessary and for access to the RECEIVING MAGAZINE.

The 50 cm space should be preferably on the left side.

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PACKING LIST

INSTALLATION INSTRUCTIONS	II 3477-E	1
WALL MOUNTING PLATE	9301401	1
BASE PLATE	9301501	1
REAR MOUNTING PLATE	9301411	1
FRONT MOUNTING PLATE	9301421	1
SHOCK ABSORBER SANDWICH	9309163	1
REAR MOUNTING BRACKET left	9309041	1
REAR MOUNTING BRACKET right	9309061	1
REAR SHOCK ABSORBER	9301621	2
TRANSPORT LABEL	9301561	1
SCREW M6x10 (see note below)	4284044	9
SCREW M6x20 (see note below)	4280440	4
WASHER 6.4 mm	4480121	9
VELCRO top / bottom	5001718 / 5001721	1/1

Note

No NUTS are required for these SCREWS. All parts are provided with the required threads.

INSTALLATION OF THE ML2000 ON A:

MOBILE UNIT

WARNING

It is most important that the MINILOADER 2000 when installed on a Mobile Unit, is installed according to the KODAK Miniloader 2000 Van Kit, Model 2 Cat. Number 7199920, instructions II 3477-E and that all components provided in the Kit are used as directed in II 3477-E.

Failure to fully comply with the instructions II 3477-E will put extra strain on the mountings while the Mobile Unit is in motion and may result in the Miniloader 2000 becoming loose or damaging the mountings. This in a worst case may result in the 290 kg Miniloader coming free and damaging the Mobile Unit and the Miniloader 2000 or putting operating staff at personal risk of injury.

In cases where incorrect installation was deemed to be a contributing factor to any resultant injury, the service provider may be deemed liable to prosecution.

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INSTALLATION

Note

The necessary mounting hardware is not provided by KODAK

1. Mount the MOUNTING PLATE of the REAR WALL SHOCK ABSORBER ASSY to the wall. If necessary drill additional holes into the PLATE.

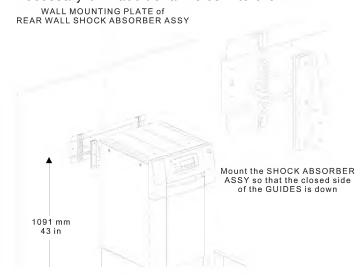


figure 1-2

Note

Before fastening the SCREWS set the MOUNTING PLATE to the correct height. Use the BASE PLATE as a GAUGE.

2. Mount the REAR MOUNTING PLATE to the ML2000. Use 2 SCREWS M6x20 with WASHERS.

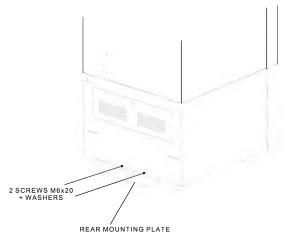


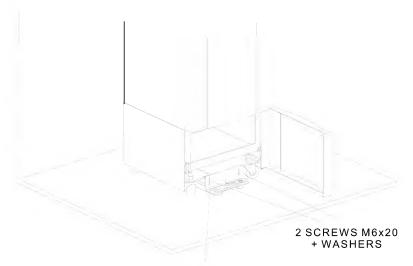
figure 1-3

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Before fastening the SCREWS set the MOUNTING PLATE to the correct height. Use the BASE PLATE as a GAUGE.

3. Open the FRONT DOOR of the ML2000 STAND. Mount the FRONT MOUNTING PLATE (this is the PLATE with the QUICK DISCONNECT). Use 2 SCREWS M6x20 with WASHERS.



FRONT MOUNTING PLATE

figure 1-4

4. Take out the MOUNTING SCREW of the PNEUMATIC ASSEMBLY and retain it.

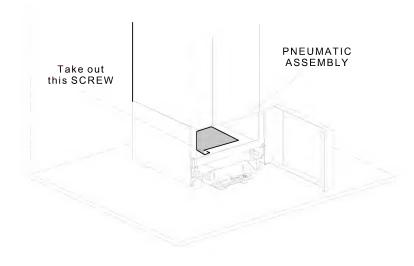


figure 1-5

5. Take off the REAR PANEL of the ML2000 STAND.

◯ Note

The v-shaped cut-out must be down and pointing to the rear of the ML2000. It must be engaged with the LOCATING PIN of the ML2000 STAND.

6. Insert the SHOCK ABSORBER SANDWICH. First tighten the 4 COUNTERSUNK SCREWS. This makes the SANDWICH flat enough to become inserted.

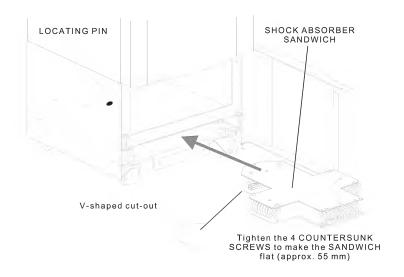


figure 1-6

7. Fix the SANDWICH to the ML2000 with 5 SCREWS M6x10 and WASHERS. Do not tighten the SCREWS.

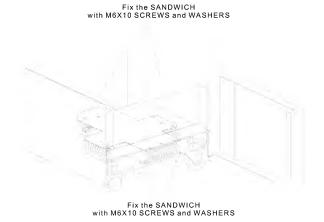


figure 1-7

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8. Take out the 4 COUNTER SUNK SCREWS of the SANDWICH.

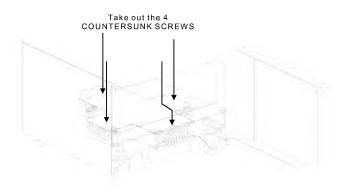


figure 1-8

- **9**. Tighten the SCREWS inserted in step 7.
- **10.** Take out the 4 SCREWS of the SPACER BRACKETS left and right and take out the SPACER BRACKETS. They are no longer needed.

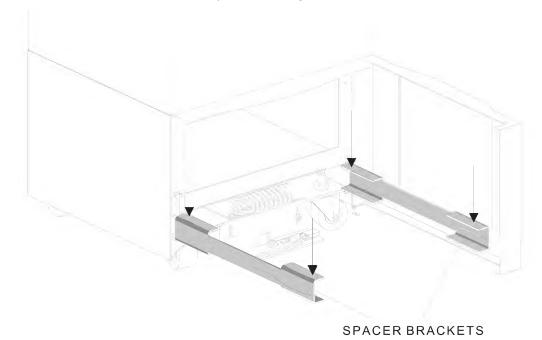
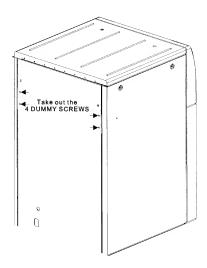


figure 1-9

- 11. Fasten the PNEUMATIC ASSEMBLY. Use the SCREW removed in step 4.
- **12.** Mount the REAR PANEL to the ML2000 STAND.
- **13.** Take out the 4 DUMMY SCREWS at the rear of the ML2000.



14. Mount the 2 REAR MOUNTING BRACKETS to the ML2000. Use 4 SCREWS M6 x10.

figure 1-10

CAUTION

The GEAR BOX of the FILM POCKET STEPPER MOTOR may become damaged if SCREWS longer than 10 mm are used.

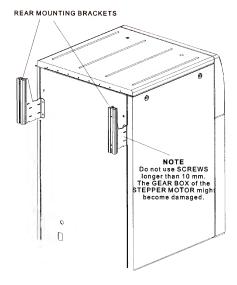


figure 1-11

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Note

Necessary mounting hardware is not provided by Kodak.

- **15.** Mount the BASE PLATE to the floor.
- 16. Roll back the ML2000 until the REAR- and FRONT MOUNTING BRACKETS are

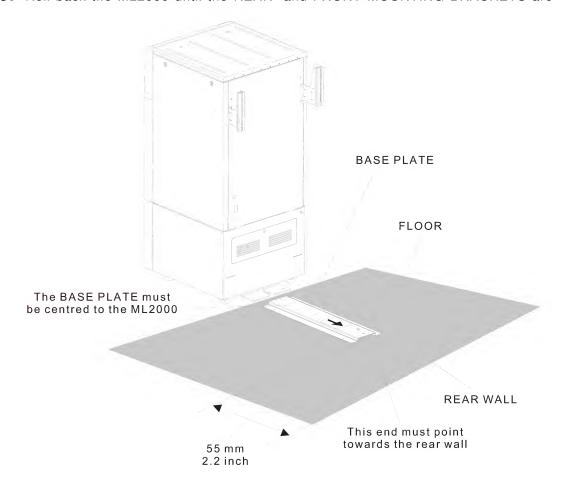


figure 1-12

fully engaged with the BOLTS of the BASE PLATE mounted to the floor.

17. Close the QUICK DISCONNECT.

18. Insert both REAR SHOCK ABSORBERS. They slide into their GUIDES.

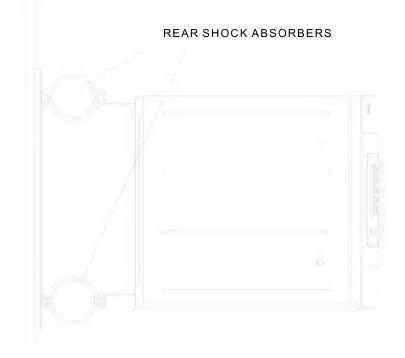


figure 1-13

19. Place the self adhesive LABEL with TRANSPORT HINTS onto the ELECTRONIC BOX.

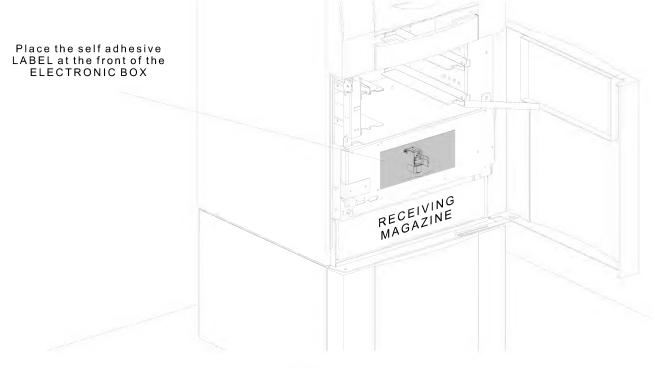
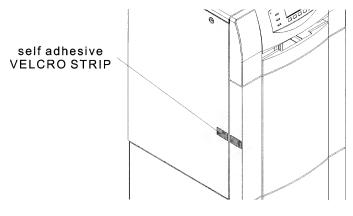


figure 1-14

20. Mount the VELCRO to the ML2000 SIDE PANEL and to the MAGAZINE DOOR.



format 1-15

21. After installation of the KODAK Miniloader 2000 van kit, Model 2, carry out the necessary ELECTRICAL SAFETY TESTS (See Next Page)

OPERATING MODE

WARNING:

The unit must NOT be operated while vehicle is in motion.

NOTE: Instruct the Operator, how to carry out the actions below.

NOTE:

OPENING THE MAGAZINE DOOR

The MAGAZINE DOOR can only be opened in **READY** mode. Opening the door will turn on the **ORANGE** light.

With the GREEN status light ON. The magazine door can be opened by pressing the soft switch <DOOR> on the display.

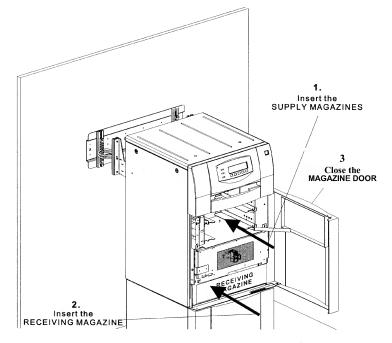


figure 1-16

Electrical Safety Test

After Installation check the electrical safety of the final assemblies, use a Safety Tester to check the following:

- α Ground Resistance test <0.1 Ohm between the power cord ground conductor and all grounded components and parts.
- b Insulation resistance test >2 MOhm

Ensure that **all panels** are reliably grounded and correctly mounted.

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TRANSIT PRECAUTIONS

WARNING:

The unit must NOT be operated while the vehicle/mobile van is in motion.

NOTE:

Instruct the OPERATOR with regard to TRANSPORT precautions.

NOTE: OPENING THE MAGAZINE DOOR

The MAGAZINE DOOR can only be opened in **READY** mode. Opening the door will turn on the **ORANGE** light. With the **GREEN** status light ON. The magazine door can be opened by pressing the soft switch **<DOOR>** on the display.

- 1. Take out both the SUPPLY magazines and RECEIVING MAGAZINE and store them in a safe place.
- 2. Close the MAGAZINE DOOR and secure it with the VELCRO STRAP

3. Ensure that the QUICK DISCONNECT is closed.

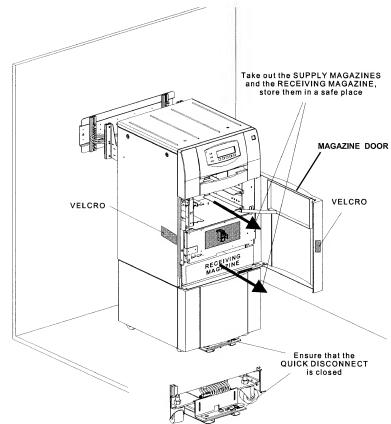


figure 1-17

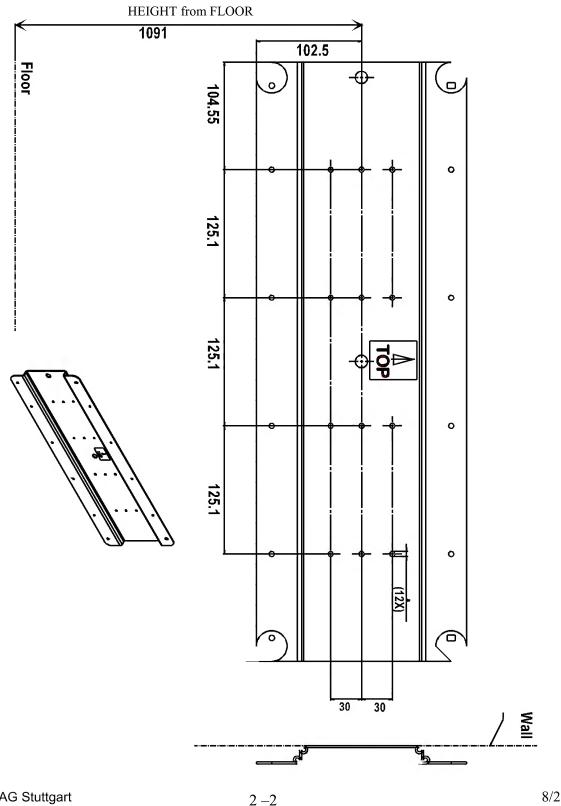
ADDENDUM

The following DRAWINGS show the dimensions of the MOUNTINGS and HOLE positions on the REAR MOUNTING BRACKET.

These are necessary for the correct positioning of the WALL BRACKET Prior to installation of the MINILOADER 2000 with Model 2 Van Kit.

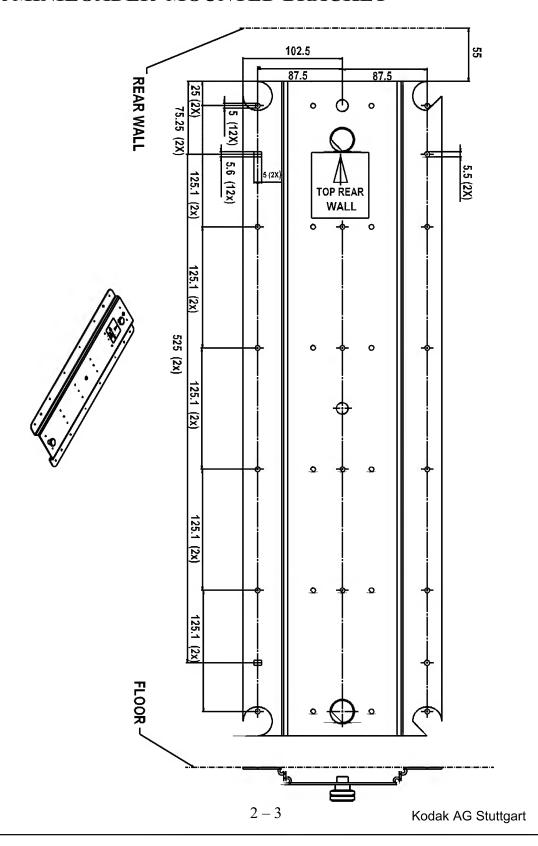
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REAR WALL MOUNTED BRACKET



8/2000

REAR MINILOADER MOUNTED BRACKET



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